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PATENT

100.2496
Aizenberg 6-41-2-1-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Aizenberg et al.

Serial No.: 10/722,613

Filed: November 26, 2003

For: DEVICES HAVING PATTERNED REGIONS OF POLYCRYSTALLINE ORGANIC SEMICONDUCTORS, AND METHODS OF MAKING THE SAME

Group: 2811

Examiner:

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Date: June 14, 2004

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June 14, 2004

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INFORMATION DISCLOSURE STATEMENT UNDER § 197(a)

Sir:

This Information Disclosure Statement is being filed before a first Official Action has been mailed in this case.

Pursuant to 37 C.F.R. 1.56, 1.97 and 1.98, applicant's attorney wishes to bring to the attention of the Patent and Trademark Office the following items listed on the accompanying Forms PTO/SB/08A and PTO/SB/08B.

ITEMS

	Document No.	Publication Date	Patentee/Applicant
1.	U.S. Patent No. 5,192,580	03/09/1993	Blanchet-Fincher
2.	U.S. Patent No. 5,288,528	02/22/1994	Blanchet-Fincher
3.	U.S. Patent No. 5,347,144	09/13/1994	Garnier et al.
4.	U.S. Patent No. 5,523,192	06/04/1996	Blanchet-Fincher
5.	U.S. Patent No. 5,563,019	10/08/1996	Blanchet-Fincher
6.	U.S. Patent No. 5,625,199	04/29/1997	Baumbach et al.
7.	U.S. Patent No. 5,766,819	06/16/1998	Blanchet-Fincher
8.	U.S. Patent No. 5,840,463	11/24/1998	Blanchet-Fincher
9.	U.S. Patent No. 5,981,970	11/09/1999	Dimitrakopoulos et al.
10.	U.S. Patent No. 6,051,318	04/18/2000	Kwon
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12.	U.S. Patent No. 6,146,792	11/14/2000	Blanchet-Fincher et al.
13.	U.S. Patent No. 6,174,651	01/16/2001	Thakur
14.	U.S. Patent No. 6,265,243	07/24/2001	Katz et al.
15.	U.S. Patent No. 6,352,811	03/05/2002	Patel et al.
16.	U.S. Patent No. 6,352,812	03/05/2002	Shimazu et al.
17.	U.S. Patent No. 6,403,397	06/11/2002	Katz
18.	U.S. Patent No. 6,551,717	04/22/2003	Katz et al.
19.	U.S. Publication No. 2002/0149315 A1	10/17/2002	Blanchet-Fincher
20.	U.S. Application No. 10/256,885	09/27/2002	Bao et al.
21.	U.S. Application No. 10/669,780	09/24/2003	Bao

22.	U.S. Application No. 60/505,533	09/24/2003	Meth
23.	U.S. Application No. 60/505,880	09/24/2003	Meth et al.
24.	U.S. Application No. 10/671,303	09/24/2003	Bao et al.
25.	U.S. Application No. 10/701/183	11/04/2003	Akkerman et al.
26.	PCT Publication No. WO 01/87634 A2	11/22/2001	E.I. du Pont de Nemours and Company
27.	PCT Publication No. WO 02/08801 A1	01/31/2002	E.I. du Pont de Nemours and Company
28.	PCT Publication No. WO 02/092352 A1	11/21/2002	E.I. du Pont de Nemours and Company

Other Publications

29. AFZALI ET AL., High-Performance, Solution-Processed Organic Thin Film Transistors from a Novel Pentacene Precursor, J. Am. Chem. Soc., 2002, Page(s) 8812-8813, Volume 124

30. AFZALI ET AL., Synthesis and Application of Pentacene Precursor in OTFT, Publisher: IBM Research Division, Published in: Yorktown Heights, NY

31. AIZENBERG ET AL., Control of Crystal Nucleation by Patterned Self-Assembled Monolayers, Nature, April 8, 1999, Page(s) 495-498, Volume 398

32. AIZENBERG ET AL., Oriented Growth of Calcite Controlled by Self-Assembled Monolayers of Functionalized Alkanethiols Supported on Gold and Silver, J. Am. Chem. Soc., 1999, Page(s) 4500-4509, Volume 121

33. AKIMICHI ET AL., Field-Effect Transistors Using Alkyl Substituted Oligothiophenes, Appl. Phys. Lett., 1991, Page(s) 1500-1502, Volume 58, Number 14

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39. DE BOER ET AL., Synthesis and Characterization of Conjugated Mono- and Dithiol Oligomers and Characterization of Their Self-Assembled Monolayers, Langmuir, 2003, Page(s) 4272-4284, Volume 19

40. ECHAVARREN ET AL., J. Am. Chem. Soc., 1987, Page(s) 5478-5486, Volume 109

41. FORREST, Ultrathin Organic Films Grown by Organic Molecular Beam Deposition and Related Techniques, Chem. Rev., Page(s) 1793-1896, Volume 97, Publisher: American Chemical Society

42. HALIK ET AL., High-Mobility Organic Thin-Film Transistors Based on a, a'-didecyloligothiophenes, Journal of Applied Physics, March 1, 2003, Page(s) 2977-2981, Volume 93, Number 5

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44. HAN ET AL., Face-Selective Nucleation of Calcite on Self-Assembled Monolayers of Alkanethiols: Effect of the Parity of the Alkyl Chain, Angew. Chem. Int. Ed., 2003, Page(s) 3668-3670, Volume 42

45. HONG ET AL., Thiophene-Phenylene and Thiophene-Thiazole Oligomeric Semiconductors with High Field-Effect Transistor On/Off Ratios, Chem. Mater., 2001, Page(s) 4686-4691, Volume 13, Number 12

46. JOHNSTON ET AL., Low-Energy Vibrational Modes in Phenylene Oligomers Studied by THz Time-Domain Spectroscopy, Chemical Physics Letters, 2003, Page(s) 256-262, Volume 377

47. KATZ ET AL., Synthesis, Solubility, and Field-Effect Mobility of Elongated and Oxa-substituted a,w-Dialkyl Thiophene Oligomers: Extension of 'Polar Intermediate' Synthetic Strategy and Solution Deposition on Transistor Substrates, Chem. Mater., 1998, Page(s) 633-638, Volume 10, Number 2

48. KLAUK ET AL., High-Mobility Polymer Gate Dielectric Pentacene Thin Film Transistors, Journal of Applied Physics, November 1, 2002, Page(s) 5259-5263, Volume 92, Number 9

49. KLAUK ET AL., Pentacene Organic Thin-Film Transistors and ICs, Solid State Technology, March 2000, Page(s) 63-76, Volume 43, Number 3

50. LI ET AL., Field-Effect Transistors Based on Thiophene Hexamer Analogues with Diminished Electron Donor Strength, Chem. Mater., 1999, Page(s) 458-465, Volume 11, Number 2

51. MATTERS ET AL., Organic Field-Effect Transistors and All-Polymer Integrated Circuits, Optical Materials, 1999, Page(s) 189-197, Volume 12

52. MEYER ZU HERINGDORF ET AL., Growth Dynamics of Pentacene Thin Films, Nature, August 2, 2001, Page(s) 517-520, Volume 412

53. MUSHRUSH ET AL., Easily Processable Phenylene-Thiophene-Based Organic Field-Effect Transistors and Solution-Fabricated Nonvolatile Transistor Memory Elements, J. Am. Chem. Soc., 2003, Page(s) 9414-9423, Volume 125, Number 31

54. SEO ET AL., Interpretation of the Mass Change Behavior in the Binary Monolayer of Hydroquinone-tethered Alkylthiol and Aminoalkythiol, Bull. Korean Chem. Soc., 2002, Page(s) 1671-1673, Volume 23, Number 11

55. STABEL ET AL., Scanning Tunneling Microscopy of Alkylated Oligothiophenes at Interfaces with Graphite, Synthetic Metals, 1994, Page(s) 47-53, Volume 67

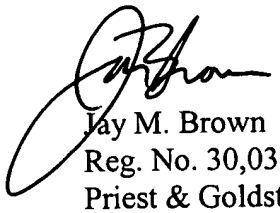
56. TANIMOTO ET AL., Binary Phase Chlorination of Aromatic Hydrocarbons with Solid Copper(II) Chloride: Reaction Mechanism, Bull. Chem. Soc. Japan, 1979, Page(s) 3586-3591, Volume 52, Number 12

57. XIA ET AL., Soft Lithography, Angew. Chem. Int. Ed., 1998, Page(s) 550-575, Volume 37

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made nor shall it be construed as an admission that the

information cited is considered to be material to patentability, nor shall it be construed that no other material information exists.

Respectfully submitted,



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known	
Application Number	10/722,613
Filing Date	November 26, 2003
First Named Inventor	Aizenberg et al.
Art Unit	2811
Examiner Name	
Attorney Docket Number	100.2496

Sheet 1 of 5

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number: Number - Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 5,192,580	03/09/1993	Blanchet-Fincher	
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Examiner Signature		Date Considered	

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Sheet 2 | | 5

Complete if Known	
Application Number	10/722,613
Filing Date	November 26, 2003
First Named Inventor	Aizenberg et al.
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	26	WO 01/87634 A2	11/22/2001	E.I. du Pont de Nemours and Company		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 | | 5

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	29	AFZALI ET AL., High-Performance, Solution-Processed Organic Thin Film Transistors from a Novel Pentacene Precursor, J. Am. Chem. Soc., 2002, Page(s) 8812-8813, Volume 124	
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	39	DE BOER ET AL., Synthesis and Characterization of Conjugated Mono- and Dithiol Oligomers and Characterization of Their Self-Assembled Monolayers, Langmuir, 2003, Page(s) 4272-4284, Volume 19	
	40	ECHAVARREN ET AL., J. Am. Chem. Soc., 1987, Page(s) 5478-5486, Volume 109	

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	47	KATZ ET AL., Synthesis, Solubility, and Field-Effect Mobility of Elongated and Oxa-substituted a,w-Dialkyl Thiophene Oligomers: Extension of 'Polar Intermediate' Synthetic Strategy and Solution Deposition on Transistor Substrates, Chem. Mater., 1998, Page(s) 633-638, Volume 10, Number 2	
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	53	MUSHRUSH ET AL., Easily Processable Phenylene-Thiophene-Based Organic Field-Effect Transistors and Solution-Fabricated Nonvolatile Transistor Memory Elements, J. Am. Chem. Soc., 2003, Page(s) 9414-9423, Volume 125, Number 31	

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	57	XIA ET AL., Soft Lithography, Angew. Chem. Int. Ed., 1998, Page(s) 550-575, Volume 37	

Examiner Signature		Date Considered	

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